

We claim:

1. An anti-human medullasin monoclonal antibody which specifically recognizes human medullasin.

5 2. The anti-human medullasin monoclonal antibody according to claim 1, which belongs to immunoglobulin class IgG.

3. The anti-human medullasin monoclonal antibody according to claim 1, which is originated from mouse.

10 4. A process for producing an anti-human medullasin monoclonal antibody comprising culturing hybridomas prepared by cell fusion between antibody-producing cells recovered from an animal immunized with human medullasin and myeloma cells, and recovering anti-human medullasin monoclonal antibody which specifically recognizes human medullasin from the culture in which said hybridomas are cultured.

15 5. An immunoassay comprising immobilizing human medullasin in a test sample by sandwiching said human medullasin between an anti-human medullasin monoclonal antibody immobilized on an insoluble carrier and a labelled anti-human medullasin monoclonal antibody by antigen-antibody reactions to form a complex, and quantifying said label in said complex.

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